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AN 97:183487 HCA  
TI Polyamide molding compositions  
IN Grigo, Ulrich; Fahnler, Friedrich; Binsack, Rudolf; Morbitzer, Leo;  
Lindner, Christian  
PA Bayer A.-G. , Fed. Rep. Ger.  
SO Ger. Offen., 19 pp.  
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DT Patent  
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE---3105364	A1	19820902	1981DE-3105364	19810213
	EP-----58331	A1	19820825	1982EP-0100695	19820202
	EP-----58331	B1	19850612		
	R: DE, FR, GB, IT				
	JP--57149353	A2	19820914	1982JP-0018303	19820209
	JP--02012263	B4	19900319		
	CA---1203035	A1	19860408	1982CA-0396031	19820211
PRAI	1981DE-3105364	A	19810213		

AB A graft copolymer prepd. from polybutadiene and alkyl (meth)acrylates or an acrylonitrile-styrene mixt. is mixed with a polyamide and a plasticizer for the polyamide. The mixts. give moldings with good elasticity, toughness, and plasticizer migration resistance. Thus, 30 parts graft copolymer (0.4 .mu. particles) prepd. from 80 parts polybutadiene and 20 parts Me methacrylate was mixed with 60 parts nylon 6 [25038-54-4] and 10 parts PhSO<sub>2</sub>NHMe [5183-78-8]. Moldings prepd. from the mixt. had notched impact strength 48 kJ/m<sup>2</sup> and cracked after 62,000 bending cycles, compared with 53 kJ/m<sup>2</sup> and 8000 cycles for a molding contg. no PhSO<sub>2</sub>NHMe.

IT Plastics, molded

RL: USES (Uses)

(acrylic-butadiene graft copolymer-polyamide blends, plasticized, elastic, tough)

IT Plasticizers

(benzenesulfonamide derivs., acrylic-butadiene graft copolymer-polyamide blends contg., elastic, tough)

IT 25038-54-4, uses and miscellaneous 32131-17-2, uses and miscellaneous

RL: USES (Uses)

(blends with acrylic-butadiene graft copolymers, plasticized, elastic, tough)

IT 9003-56-9 25232-40-0 78066-76-9

RL: USES (Uses)

(graft, blends with polyamides, plasticized, elastic, tough)

IT 3622-84-2 5183-78-8

RL: MOA (Modifier or additive use); USES (Uses)

(plasticizers, acrylic-butadiene graft copolymer-polyamide blends contg., elastic, tough)